FAX TRANSMISSION

DATE: October 7, 2008

PTO IDENTIFIER:	**Application Number**	09/132,327-Conf. #9217
	Patent Number	
Inventor:	Michel Safars et al.	

MESSAGE TO: Examiner Cesar Paula

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FROM: OSHA · LIANG LLP

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PAGES (Including Cover Sheet):   22

CONTENTS: Copy of Response to File Corrected Application Papers dated February 18, 1998 (21 pages)

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</div>

PATENTS

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

Michel SAFARS et al.   Box Missing Parts

Serial No. 60/055,608   Attn: Appln. Processing Div.
                                       Special Processing and
Filed August 14, 1997   Correspondence Branch

PROCEDE ET SYSTEME DE QUALIFICATION
DE DONNEES AU SEIN DE DOCUMENTS
PREALABLEMENT COLLECTES

RESPONSE TO NOTICE TO FILE CORRECTED APPLICATION PAPERS

Assistant Commissioner for Patents

　　　　　Washington, D.C. 20231

Sir:

　　　　　In response to Form PTO-1660, dated February 4,
1998, we advise that on January 2, 1998, we filed a verified
English translation in response to Form PTO-1627, dated
December 22, 1997. A copy of this is attached, along with our
postcard receipt stamped by the OIPE on January 2, 1998.

　　　　　At that time, we authorized the processing fee of
$130 to be charged to our Deposit Account.

　　　　　　　　　　　　　Respectfully submitted,

　　　　　　　　　　　　　　YOUNG & THOMPSON

　　　　　　　　　　　　By _____
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　　　　　　　　　　　　　　Arlington, VA 22202
　　　　　　　　　　　　　　Telephone: 703/521-2297

February 18, 1998

USP97 TER QUA

UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
Address: COMMISSIONER OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

APPLICATION NUMBER	FILING/RECEIPT DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NO./TITLE
60/055,786	03/14/97	SAFARE		

6/22/0204

YOUNG AND THOMPSON
745 SOUTH 23RD STREET
ARLINGTON VA 22202

DATE MAILED:

NOTICE TO FILE CORRECTED APPLICATION PAPERS
Filing Date Granted

An Application Number and Filing Date have been assigned to this application. However, the application is informal since it does not comply with the regulations for the reasons checked below. Applicant is given TWO MONTHS FROM THE DATE OF THIS NOTICE within which to correct the informalities noted below.

The required items identified below must be timely submitted to avoid abandonment:

☑ 1. A verified English translation of the non-English language application *(37 CFR 1.52(d))* and $ _1.30_
     fee under *37 CFR 1.17(k)*.

☐ 2. An Abstract, commencing on a separate sheet *(37 CFR 1.53(d) and 37 CFR 1. 72(b))*.

☐ 3. The Claim(s) commencing on a separate sheet *(37 CFR 1.53(d) and 37 CFR 1.75(h))*.

☐ 4. A substitute specification in compliance with 37 CFR 1.52 because:
     ☐ All sheets must be the same size and either A4 (21 cm x 29.7 cm) or 8-1/2" x 11".
     ☐ Papers are not flexible, strong, smooth, non-shiny, durable, and white.
     ☐ Papers are not typewritten or mechanically printed in permanent dark ink on one side.
     ☐ Papers contain hand lettering.
     ☐ Papers contain improper margins. *Each sheet must have a left margin of at least 2.5 cm (1") and top,*
     bottom and right margins of at least 2.0 cm (3/4").
     ☐ Line spacing on the sheets is not 1-1/2 or double-spaced.
     ☐ The pages of specification including the abstract and claims are not consecutively numbered starting with
     the number "1".
     ☐ The pages of specification do not contain page numbers centrally located within the top or, preferably,
     bottom margin.
     ☐ The copy of the prior application submitted for this 37 CFR 1.60 application contains the defects checked above.

☐ 5. Substitute drawings in compliance with 37 CFR 1.84 because:
     ☐ The drawings or copy of drawings are not suitable for electronic reproduction.
     ☐ All drawing sheets must be the same size and either A4 (21cm x 29.7 cm) or 8-1/2" x 11".
     ☐ Each sheet must include a top and left margin of at least 2.5 cm (1"), a right margin of at least 1.5 cm (9/16") and a
     bottom margin of at least 1.0 cm (3/8").

☐ 6. Page(s) _____, are not of sufficient clarity, contrast and quality for electronic reproduction.
     New typewritten or mechanically printed pages of sufficient clarity, contrast and quality for electronic reproduction, together
     with a statement that the new pages contain the same material as those on deposit are required. This statement must be
     verified if made by someone other than an attorney or agent registered before the PTO.

☐ 7. OTHER:

     Direct the response and any questions about this notice to "Attention: Box Missing Parts."

A copy of this notice _MUST_ be returned with the response.

Customer Service Center
Initial Patent Examination Division (703) 308-1202

FORM PTO-1660 (REV 7-96)   **PART 2-COPY TO BE RETURNED WITH RESPONSE**

PATENTS

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

Michel SAFARS et al.

Serial No. 60/055,608   Attn: Box Provisional Patent
                                      Application
Filed August 14, 1997

PROCEDE ET SYSTEME DE QUALIFICATION
DE DONNEES AU SEIN DE DOCUMENTS
PREALABLEMENT COLLECTES

RESPONSE TO NOTICE TO FILE MISSING PARTS

C

Assistant Commissioner for Patents

        Washington, D.C. 20231

Sir:

        In response to Form PTO-1627, dated December 22,

1997, we enclose herewith the verified English translation

O

which was omitted at the time of filing the above-captioned

provisional application, which was filed on August 14, 1997 in

the names of Michel SAFARS, Fabrice FRACHON, Pierre SILVESTRE

de SACY NOUGARET DURAFORT, and Thierry VERRECCHIA.

P

        Please charge the processing fee of $130 to Deposit

Account No. 25-0120.   A duplicate copy of this paper is

enclosed for this purpose.

                              Respectfully submitted,

Y

                                 YOUNG & THOMPSON

                              By _____
                                  Robert J. Patch
                                  Attorney for Applicants
                                  Registration No. 17,355
                                  745 South 23rd Street
                                  Arlington, VA 22202
                                  Telephone: 703/521-2297

January 2, 1998

USP97 TER QUA

UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
Address COMMISSIONER OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

APPLICATION NUMBER	FILING/RECEIPT DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NO./TITLE

DATE MAILED:

NOTICE TO FILE MISSING PARTS OF PROVISIONAL APPLICATION
Filed Under 37 CFR 1.53 (b) (2)

An Application Number and Filing Date have been assigned to this Provisional Application. However, the items indicated below are missing. The required items and fees identified below must be timely submitted ALONG WITH THE PAYMENT OF THE SURCHARGE for items 1 and 2 only of $ _/ _²_ _ for a ☐large entity ☐ small entity in compliance with 37 CFR 1.27 *(37 CFR 1.16 (l)).*

Applicant is given TWO MONTHS FROM THE DATE OF THIS NOTICE within which to file all required items and pay any fees required above to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136 (a).

If all required items on this form are filed within the period set below, the total amount owed by applicant as a ☐large entity ☐ small entity (verified statement filed), is $ _/ ._²_²_ .

[ ] 1. The statutory provisional application filing fee is:
　　[ ] missing.
　　[ ] insufficient.
　　Applicant must submit $ _____ to complete the filing fee.
[ ] 2. The provisional application cover sheet identifying:
　　☐ either the city and state or city and foreign country of the residence of each inventor.
　　☐ the title of the invention is required in compliance with 37 CFR 1.51(a)(2)(i).
[ ] 3. The application was filed in a language other than English.
　　Applicant must file a verified English translation of the application and a fee of $ _____ under 37 CFR 1.1 7(k) unless this fee has already been paid.
☐ 4. A $ _____ processing fee is required for returned checks (37 CFR 1.21(m)).
☐ 5. Your filing receipt was mailed in error because your check was returned without payment.
☐ 6. The drawings contained in the application cannot be microfilmed or properly stored because they
　　☐ do not comply with the size requirements (8-1/2 by 11 inches or 21.0 by 29.7 cm).
　　☐ are not clear enough or in permanent ink.
　　New drawings are required.
☐ 7. The specification cannot be microfilmed or properly stored. Page(s):
　　☐ _____ do not contain writing on only one side of the page.
　　☐ _____ do not comply with the size requirements (8-1/2 by 11 inches or 21.0 by 29.7 cm).
　　☐ _____ are not clear enough or in permanent ink.
　　Replacement pages, together with a statement that the replacement pages contain the same material as those on deposit, are required. This statement must be verified if made by someone other than an attorney or agent registered to practice before the PTO.
☑ 8. Other: *English translation is needed*

Direct the response and any questions about this notice to "Attention: Box Provisional Patent Application."

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FORM PTO-1627 (REV.7-96)   **PART 2-COPY TO BE RETURNED WITH RESPONSE**

PONTET
ALLANO
& associés
Conseils en Propriété Industrielle

D E C L A R A T I O N

I, Sylvain ALLANO, of PONTET ALLANO & Associés , 25 rue Jean Rostand, PARC-CLUB ORSAY-UNIVERSITE, F-91893 ORSAY CEDEX, France, do solemnly and sincerely declare :

> 1. that I am well acquainted with both the English and French languages, and
> 2. that the attached document is a true and correct translation of the description and the drawings accompanying the provisional application filed on 14th August 1997,

and I make this declaration conscientiously believing the statement contained herein to be true in every particular.

Dated this 24th September 1997

Sylvain ALLANO

- 1 -

"PROCESS AND SYSTEM FOR THE QUALIFICATION OF DATA IN
PREVIOUSLY COLLECTED DOCUMENTS"

The present invention relates to a process for the
qualification of data in previously collected documents.
5   It also relates to a system for its implementation.

The development of information media and
communications networks such as the Internet has led to a
considerable increase in the mass of data and information
which can be consulted and collected. Users of these new
10 techniques are soon submerged by volumes of data which
must be stored, filed and qualified, in particular if
this data is to be consulted offline. Currently, while
experienced web surfers may be able to do the best they
can using personal techniques to file the thousands of
15 HTML pages collected, it is an entirely different matter
for new Internet users accessing an unknown world of data
and not having the dexterity or know-how of the said web
surfers.

The aim of the present invention is precisely to
20 offer a data qualification process allowing simple and
quick creation of books from sets of documents collected
from various information sources.

This is obtained with a process for qualifying data
in documents previously collected, in particular from
25 sites connected to a communications network, these
documents being available for consultation in the form of
pages of a book of which they constitute the content. It
should be noted that there is already a software product
called   Loïs   (Web   navigator)   which   integrates   a
30 presentation of documents in the form of the pages of a
book.

According to the invention, data can be selected in
each page of a document being consulted and contained in
a book, in order to generate from the said selected data
35 tools for accessing the content of this book.

The qualification process according to the invention thus provides a method for organising and managing data which goes far beyond a simple compilation of consulted pages as it will be possible to process all the data
5   contained in the documents constituting a book in a global form using access tools configured for each book.

For example, as regards access tools, the process according to the invention may include the generation of an index from the data highlighted in a document, this
10   index indicating all the pages in which each information item appears.

This index can in particular be generated from highlighted information, but also from information identified by specific processing of its characters. It
15   may include a box for entering a term to be searched for in the index.

A tool for accessing the contents of the documents consists of a summary generated from information selected in a document. This summary can also be supplied by
20   notes taken in other documents in a book.

The qualification process according to the invention can also advantageously be designed to associate with a document one or more notes attached to the document at a user's request. For example, these notes are presented in
25   the form of a self-adhesive label to be attached to a document, in which the user can enter a portion of text. These notes may have the property of being transparent, thus allowing the contents of the note to be displayed without hiding the document as a result. Searches in the
30   index can also relate to these attached notes.

In an advantageous version of the process according to the invention, a table of contents is provided, generated from all the documents consulted. Each document consulted is thus added to the table of contents
35   in chronological order; it is also possible to envisage a reorganisation of the table of contents in a hierarchical

- 3 -

order. In particular, in the case of documents collected
on a communications network such as the Internet, the
reorganisation of the table of contents can be based on
the URL address tree structure.

5   The process according to the invention can also
advantageously include the possibility for a user to move
all the links of the table of contents in order to
generate his own tree structure, or to mask one or more
branches of this tree structure.

10   An indication in the table of contents of documents
modified on remote sites, of documents saved locally or
qualified documents (annotations, passages highlighted in
the document) can also be provided. In practice, the
process according to the invention also comprises the

15   generation of a folder containing all the pages
consulted.

      According to another aspect of the invention, a
system is proposed for qualifying data in previously
collected documents, in particular by visiting sites

20   connected to a communications network, implementing the
process according to the invention, associated with means
for collecting documents, means for storing these
collected documents, means for processing these collected
and stored documents and means for displaying and

25   consulting the contents of these documents in the form of
the pages of a book, characterised in that it includes
means for selecting data in consulted pages. This system
also includes means for generating tools for accessing
the contents of documents stored in a book, in particular

30   an index, a table of contents and a summary.

      A personal blank page can be inserted at the current
position, in order to accommodate textual or graphical
notes or any other item. It can also be arranged to
implement a Desktop Publishing (DTP) package for this

35   personal page.

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Other features and advantages of the invention will become apparent in the description below. In the annexed drawings, provided as non-limitative examples:

5   -   Figure 1 represents a first example of the display of documents in "book" format by the process according to the invention;

-     Figure 2 represents a second example of the display of documents in "memo book" format by the process according to the invention;

10   -   Figure 3 represents a third example of the display of documents in "notepad" format by the process according to the invention;

-     Figure 4A represents the structure of a database implemented by the process according to the

15   invention;

-     Figure 4B represents the methods for accessing the data in a database implemented by the process according to the invention;

-     Figure 5 is a block diagram of the essential

20   functions provided by the process according to the invention.

There follows a description of examples of the display of documents obtained using the qualification process according to the invention, with reference to

25   Figures 1 to 3.

The screen 1 comprises two pages respectively left and right PG, PD articulated around a binding RL, and a set of icons located for example in the upper part of the screen. The book B1 thus displayed comprises a first set

30   of tabs O11 located on its left-hand side and a second set of tabs O12 located on its right-hand side. Of course, as the pages are turned, the respective number of tabs instantly located respectively on the left and the right is variable. The first set of tabs O11 includes in

35   particular a "Table of contents" tab OS preferably located at the top of this first set of tabs and a page

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marker tab MP, whereas the second set of tabs O12
includes an "Index" tab OI preferably located at the
bottom of this second set of tabs. The left-hand and
right-hand pages PG, PD respectively accommodate the
5   active documents DG, DD. The screen 1 further comprises
a navigation bar BN located for example in the upper part
and a set of command icons EI. It is further provided
with shortcut boxes RP, RS used respectively to reach the
previous and following pages.

10   In the second example of display illustrated by
Figure 2, the screen 2 includes a first upper page PS and
a second lower page PI each containing active documents
DS, DI being displayed. The memo book B2 thus displayed
includes a first set of tabs O21 located on the upper
15   edge of the upper part PS and a second set of tabs O22
located on the lower edge of the lower part PI. The set
of icons EI is for example arranged on the right-hand
side of the screen 2. The first set of tabs O21 includes
for example a "table of contents" tab OS, whereas the
20   second set of tabs O22 includes for example an "index"
tab OI.

A notepad type display mode can also be used with
reference to Figure 3, in which a screen 3 includes a set
of tabs O31 arranged for example on the upper edge of a
25   single page PA containing an active document DA being
displayed. The set of tabs O31 includes for example a
"table of contents" tab OS, divider tabs O2-O5 and an
index tab OI.

A database DB implemented by the process according to
30   the invention includes, with reference to Figures 4A and
4B, a documentation center MS, a bookcase BC, bookshelves
BS, books BO, indexed terms TI, links LI, data DA,
bookmarks BM, notes NO and highlighters HI. It also
includes flags FL, an access file AC, flags LS for
35   determining security levels, a timetable TT, an event log

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LO, users US, user groups GR, relationships between groups and users GU and a unique access identifier OA.

The documentation or media center MS, referred to below as MediaCenter, is the logical paradigm of a documentation centre. It can be used to identify major information sources. As a non-limitative example, in a company, several database servers can be installed which can thus be consulted equally well. The MediaCenter groups all the bookcases, referred to below as the BookCase suite.

The BookCase is a storage space for a large number of books grouped logically by a user. It is the paradigm of the item of furniture representing a bookcase. It is associated with a single MediaCenter.

The BookShelf is the paradigm of a bookshelf. It is used to thematically group a set of books. There is no logical limit to the number of books. Only the representation on screen of a bookshelf in the bookcase can limit their number.

The books are stored in the bookshelves and can be moved to any of the hierarchical elements mentioned above.

The MediaCenters can be elements which can be shared on the Web. A user navigating on the Internet can decide to consult an information library. He can thus move from one MediaCenter to another MediaCenter.

All the indexed words can be grouped in the form of a general index book in order to allow searches on all the books.

There follows a description of examples of the management of access rights to information in the context of the process according to the invention. A set of services is defined allowing the administration of access rights to information.

Each document has a list of readers and reader groups
having specific rights to that document. Resources have
rights assigned to users. Rights can be assigned to:
- MediaCenters,
5   - Bookcases,
- Bookshelves,
- books,
- sections or chapters,
- documents (or links) in a book.
10 The following rights can be applied:
- read,
- write,
- addition (of a book for book groups, of a document
for books),
15 - appropriation (of a book group, of a book, of a
document),
- backup,
- Timetables.
A user authorised to delete a book group cannot
20 necessarily delete the documents of a book, unless he has
specifically been granted that right.
Ownership of an element does not confer all available
rights but the possibility of modifying any right for
that element.   An administrator has a right of
25 appropriation for all the elements of the bookcase. The
notion of ownership allows the identification of any user
who has appropriated a document.
The right of backup does not imply a read right: a
specific operator may have this right without necessarily
30 being authorised to consult the data.
Timetables can be used to limit access to
information, for example by analogy with the opening
hours of a library.
Only operators created by the administrator can
35. create readers and reader groups. The following rights
can be defined for operators:

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- adding users,
- deleting users,
- deleting readers they have created,
- deleting reader groups they have created,
5   - deleting readers,
- deleting reader groups.
There is an administrator group the members of which
have the same rights as the administrator. The
administrator can never be deleted.
10   It can also be envisaged to assign a lifetime to data
which is reflected via the ExpirationDate field of the
database. The introduction of this lifetime allows the
resolution of problems of confidentiality, storage
capacity and retention of pertinent data. It also
15   reinforces the paradigm of the book given that readers
are used to reading daily, weekly and monthly
publications.
The users and user groups also have a lifetime
allowing the restriction of the rights of certain users
20   to a certain duration. Moreover, an expiration date can
be fixed for users' passwords in order to force them to
renew their passwords and thus increase security.
There follows a description of the essential
functions provided by the process according to the
25   invention, with reference to Figure 5. Information is
collected (CO) on the Web/Internet, on an Intranet
network or on information media such as CD-ROMs. This
information or these documents are then filed (CD) for
storage in books B arranged on bookshelves BS in a
30   bookcase BI. When a user wants to consult a document,
the book B containing that document is extracted from the
bookcase and opened in order to allow display VI of the
pages of this book. It is therefore possible to display
a left-hand page PG and a right-hand page PD which can
35   turn around a binder RL, these pages optionally being
furnished with tabs OG, OD. On the pages of the

documents, the user can at will highlight (MS) words or extracts of the document, or attach notes NP.

During the creation of the book, the process according to the invention includes the following functions:

5

- generation GS of a table of contents SO;
- generation GR of a summary SU;
- generation GI of an index IN.

The function of the highlighter is to allow information to be highlighted by the user. Thus, when he consults a document again, he can more easily see what is of interest to him. This function also allows the sharing of key information with other users, in particular in an Intranet architecture. The highlighted words are also used to create an index.

The summary is a document generated from highlighted elements and notes taken in other documents of the book.

The table of contents is generated from all the documents consulted. Each document consulted is added to the table of contents chronologically. A user can access the table of contents at any time during consultation. He can request the reorganisation of the table of contents hierarchically, for example according to the URL address tree structure in the case of documents retrieved from the Internet. The set of links in the table of contents can be moved by the user in order to generate his own tree structure. Any branch of this tree structure can be masked. The table of contents is able to show the user which documents have been updated on remote sites. A special folder called "unfiled pages" contains all the pages consulted.

Each document downloaded and belonging to the table of contents is analysed to extract keywords. These keywords are used to generate an index. They are highlighted in a document either by character functions

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(bold, italics, etc.) or by using the highlighting
function.

The index indicates all the pages where each keyword
appears, even if it has only been highlighted in a single
5   document.

The index has an input box which can be used to
instantly move to the term searched for in the index.
This input box can also allow a more comprehensive search
throughout the book. In that case, a new document
10 containing the results of the search is added to the
book.

A user can associate with a document one or more
notes which are placed in the document at the user's
discretion. On searching the index, it is possible to
15 specify that the search also applies to the notes, or
only in the notes. The notes take the form of a self-
adhesive label in which the user can input a portion of
text.

It should be noted that the qualification process
20 according to the invention can be associated with any
publishing and printing process which can be used to
physically create real books, memo books or notepads or
any other material medium. Moreover, the qualification
process according to the invention can retrieve any
25 application applet available in the multimedia field.

Of course, the invention is not limited to the
examples which have just been described, and many
adaptations can be made to these examples without
exceeding the scope of the invention. Thus other tools
30 from those which have just been described can be
implemented for the qualification of data. It should be
noted that the data and documents concerned by the
present invention may be of any origin and may be
collected from communications networks which are open,
35 such as the Internet, or private (Intranets), or from
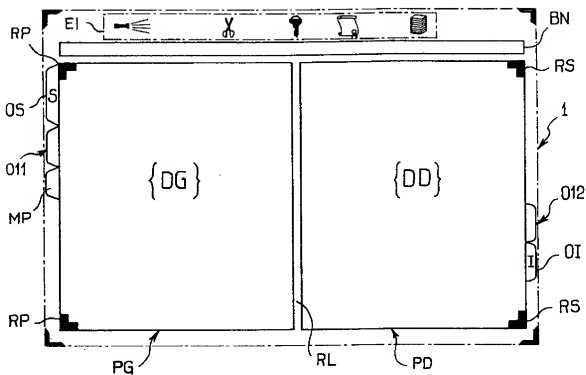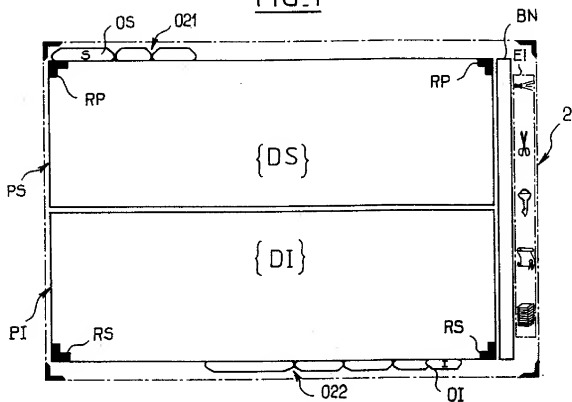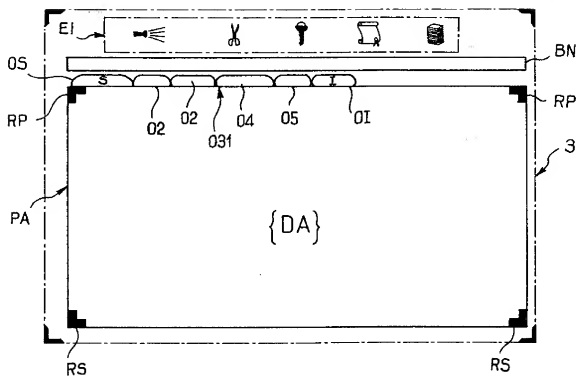information media of any type (CD-ROM, DVD-ROM, etc.).

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FIG_1

FIG_2

FIG.3

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MS
MediaCenter
MediaCenterID
Name
UserIDLock

BC
BookCase
BookCaseID
MediaCenterID
UserIDLock

BS
BookShelf
BookShelfID
BookCaseID
Name
UserIDLock

BO
Book
BookID
BookShelfID
BookShelfPos
Name
Kind
NbOfPages
Author
Address
Email
Telephone
Fax
Price
Copyright
UserIDLock

LI
Link
LinkID
BookID
ParentLinkID
Flags
Position
Depth
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Adress
PageNumber
Keyword
LinkDate
ExpirationDate
DataID

DA
Data
DataID
Address
MajorMime
MinorMime
OtherMime
Modified
DataSize
Data

NO
Note
NoteID
LinkID
Xposition
Yposition
TextPosition
Caption
Color
DataSize
Data

BM
Bookmark
BookmarkID
BookID
LinkID
Caption
Color

TI
Index
TermID
LinkID
Term

HI
Highlighter
HighlighterID
LinkID
TextPosition
color
DataSize
Data

MI
Mirror
MirrorID
LinkID
Address
Depth
Images
FTP
MaxSize
MaxTime
LastSize
LastTime
LastDownload
NextDownload
DayFields
Retrievaltime
Erase

FL
Flags :
set of bits to determine
different
states of the record:
Section/Simple Link/
Annotation
Are the following
informations
present in the document:
Notebook (Y/N)
Stored (Y/N)
Folder Tag (Y/N)
Notes (Y/N)
Highlighter (Y/N)
Browsed (Y/N)
RemoteModified (Y/N)

FIG- 4A

LO

Log
ActionType
ActionDescription
UserID
TimeStamp

Ressources

MS
BC
BS
BO
HI
TI
EM
NO
DA

AC

Access
AccessID
UserID
ResourceKind
ResourceID
TimeTable
Flags

OA

One AccessID
for each user
accessing to one
resource

LS

Flags: set of
bits to
determine levels
of security

TT

TimeTable:
Set of bits
to determine time
and date hours
to the resource

US

User
UserID
UserName
UserExpiration
Password
PasswordExpiration
TimeTable

GU

Group-User
UserID
GroupID

GR

Group
GroupID
GroupName
GroupExpiration
TimeTable

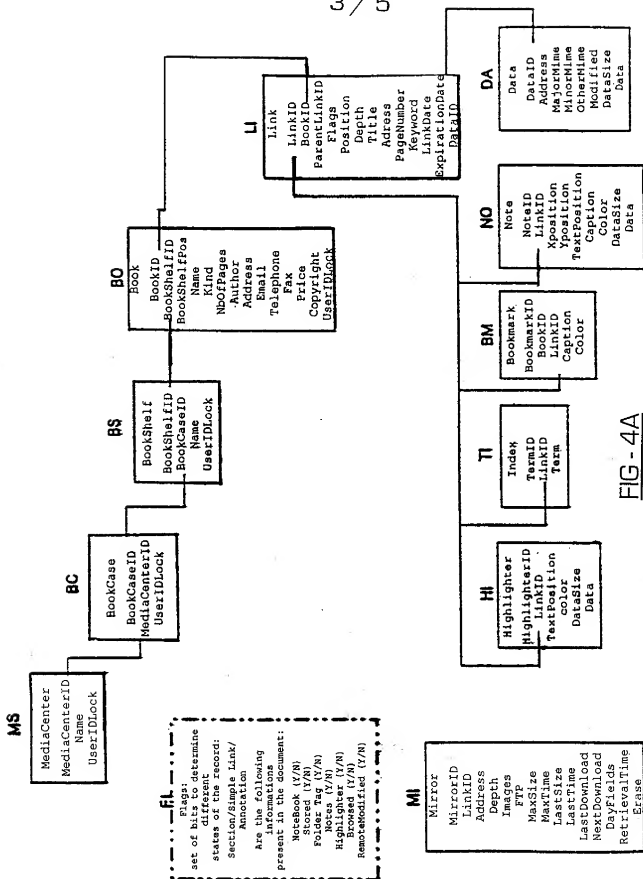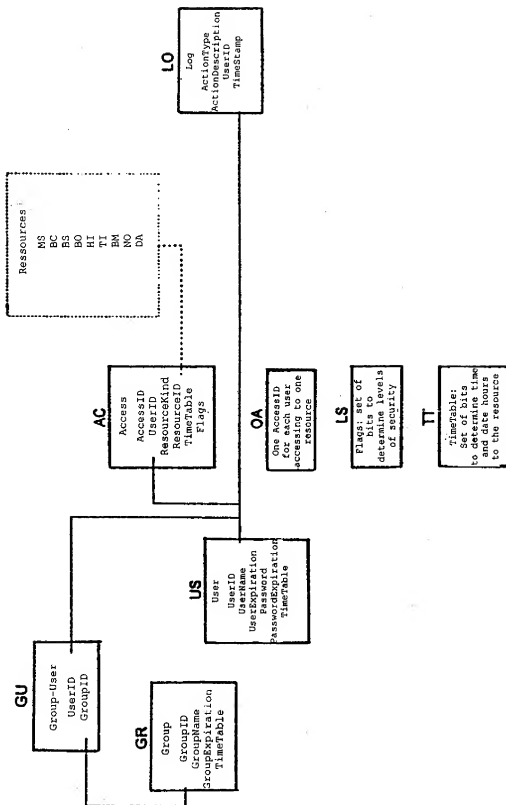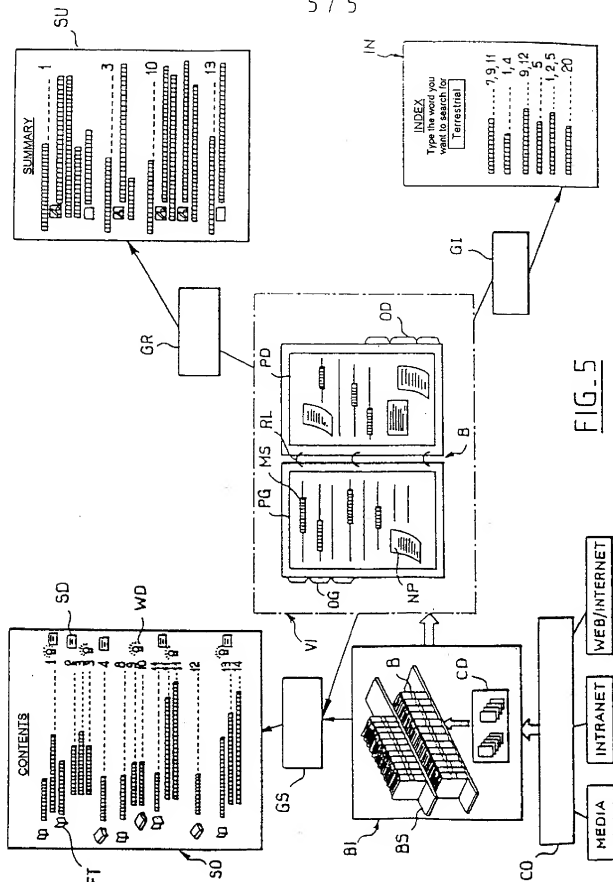**FIG - 4B**

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FIG.5

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In re: **Michel SAFARS et al.**

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